

CLAIMS

What is claimed is:

1. A power tool control system, comprising:
 - a base for coupling with a power tool
 - a non-contact measurement and alignment device coupled with the base, the non-contact measurement and alignment device operative with a power tool for determining power tool settings;
 - a graphical user interface communicatively coupled with the non-contact measurement and alignment device, the graphical user interface for user operation of said power tool for indicating at least two of a power tool setting; and
 - a display menu which logically relates folders providing power tool setting options and readouts of current settings.
2. The power tool control system of claim 1, wherein the non-contact measurement and alignment device is integrated with the base which may couple with a power tool.
3. The power tool control system of claim 1, wherein the non-contact measurement and alignment device further comprises a laser source.
4. The power tool control system of claim 3, wherein the laser source is a laser light indicia and reading assembly.
5. The power tool control system of claim 1, wherein the non-contact measurement and alignment device includes a kerf correction.
6. The power tool control system of claim 1, wherein the non-contact measurement and alignment device is a modular non-contact measurement and alignment device.

7. The power tool control system of claim 1, further comprising a computing system communicatively coupled with the non-contact measurement and alignment device and the graphical user interface.

8. A power tool control system, comprising:
 - a base including a latch assembly for coupling the base with a power tool;
 - a non-contact measurement and alignment device coupled with the base, the non-contact measurement and alignment device operative with a power tool for determining power tool settings;
 - a graphical user interface communicatively coupled with the non-contact measurement and alignment device, the graphical user interface for user operation of said power tool for indicating at least two of a power tool setting; and
 - a display menu which logically relates folders providing power tool setting options and readouts of current settings.
9. The power tool control system of claim 8, wherein the non-contact measurement and alignment device is integrated with the base.
10. The power tool control system of claim 8, wherein the non-contact measurement and alignment device further comprises a laser source.
11. The power tool control system of claim 10, wherein the laser source is a laser light indicia and reading assembly.
12. The power tool control system of claim 8, wherein the non-contact measurement and alignment device includes a kerf correction.
13. The power tool control system of claim 8, wherein the non-contact measurement and alignment device is a modular non-contact measurement and alignment device.
14. The power tool control system of claim 8, further comprising a graphical user interface communicatively coupled with the non-contact measurement and

alignment device.

15. The power tool control system of claim 8, further comprising a computing system communicatively coupled with the non-contact measurement and alignment device and the graphical user interface.

16. A power tool control system, comprising:
 - a base including a latch assembly for coupling the base with a power tool;
 - a non-contact measurement and alignment device coupled with the base, the non-contact measurement and alignment device operative with a power tool for determining power tool settings;
 - a graphical user interface communicatively coupled with the non-contact measurement and alignment device and coupled with the base, the graphical user interface for user operation of said power tool for indicating at least two of a power tool setting; and
 - a display menu which logically relates folders providing power tool setting options and readouts of current settings.
17. The power tool control system of claim 16, wherein the non-contact measurement and alignment device further comprises a laser source.
18. The power tool control system of claim 17, wherein the laser source is a laser light indicia and reading assembly.
19. The power tool control system of claim 16, wherein the non-contact measurement and alignment device includes a kerf correction.
20. The power tool control system of claim 16, wherein the non-contact measurement and alignment device is a modular non-contact measurement and alignment device.
21. The power tool control system of claim 16, further comprising a graphical user interface communicatively coupled with the non-contact measurement and alignment device.

22. The power tool control system of claim 16, further comprising a computing system communicatively coupled with the non-contact measurement and alignment device and the graphical user interface.
23. The power tool control system of claim 16, wherein the graphical user interface is capable of being removed from the base.

24. A table saw assembly, comprising:
- a frame coupled with a table, the table having an aperture;
 - a fence adjustably coupled with the table, the fence for establishing a distance from the aperture;
 - a power tool control system coupled with the fence, the power tool control system for establishing various measurements and settings of the table saw assembly, the power tool control system further comprising:
 - a base for coupling with the fence;
 - a non-contact measurement and alignment device coupled with the base, the non-contact measurement and alignment device operative with the table saw assembly for determining table saw assembly settings;
 - a graphical user interface communicatively coupled with the non-contact measurement and alignment device, the graphical user interface for user operation of the table saw assembly for indicating at least two of the table saw assembly settings; and
 - a display menu which logically relates folders providing table saw assembly setting options and readouts of current settings.
25. The table saw assembly of claim 24, wherein the non-contact measurement and alignment device further comprises a laser source.
26. The table saw assembly of claim 25, wherein the laser source is a laser light indicia and reading assembly.
27. The table saw assembly of claim 24, wherein the non-contact measurement and alignment device includes a kerf correction.
28. The table saw assembly of claim 24, wherein the non-contact measurement and alignment device is a modular non-contact measurement and alignment device.

29. The table saw assembly of claim 24, further comprising a graphical user interface communicatively coupled with the non-contact measurement and alignment device.
30. The table saw assembly of claim 24, further comprising a computing system communicatively coupled with the non-contact measurement and alignment device and the graphical user interface.